

Converting Colors

XYZ(85.9742, 100.0000,
36.3076)

Have a look what the booklet for
XYZ(85.9742, 100.0000, 36.3076)
contains.

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Color

**XYZ(81.0967, 94.4187,
35.4231)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF83
RGB	255, 255, 131
RGB Percent	100%, 100%, 51%
CMY	0.0000, 0.0000, 0.4863
CMYK	0.00, 0.00, 0.49, 0.00
HSL	60°, 100%, 76%
HSV	60°, 49%, 100%
XYZ	81.0967, 94.4187, 35.4231
YIQ	240.8640, 39.8040, -38.5640

Conversions

Conversions Part 2

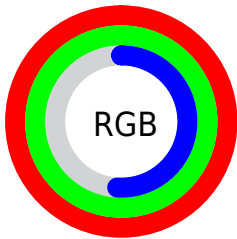
Format	Color
R_{YB}	131, 255, 131
Decimal	16777091
CIE _{Lab}	97.80, -16.29, 58.65
CIE _{LCh}	98, 60.873, 105.518
Yxy	94.4187, 0.3845, 0.4476
Android (android.graphics.Color)	4294967171 (0xFFFFFFFF83)
YUV	240.8640, -54.1630, 12.3973
Hunter-Lab	97.1693, -21.0716, 46.4043

Details

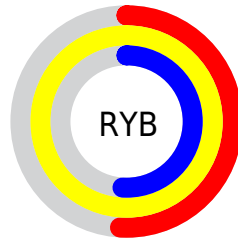
The XYZ color **81.0967, 94.4187, 35.4231** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.5274, 28.2791, 98.1937**, and the grayscale version is **83.8918, 88.2607, 96.1159**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **44.2986, 52.6598, 14.8507** is the 20% darker color. If you saturate the color by 10%, you get **79.5756, 93.8102, 27.4138**, and if you desaturate by 10%, it is **83.0433, 95.1973, 45.6745**.

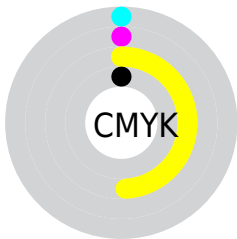
Distribution



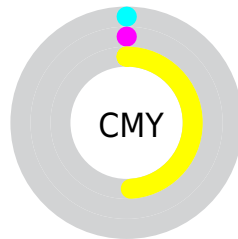
- Red (100%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.0967, 94.4187, 35.4231 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 81.0967, 94.4187, 35.4231 by changing the saturation by 10% instead.


 81.0967, 94.4187,
35.4231


 81.0967, 94.4187,
35.4231


487.3016,
542.3023, 341.3928


 60.9328, 71.6513,
23.7028


 133.8490,
153.4613, 69.2997

 44.4233, 52.8738,
14.9032


 167.1681,
190.5052, 92.2931

 31.2027, 37.7021,
8.6056


 205.6030,
233.0767, 119.8813

 20.9059, 25.7515,
4.3915

249.5190,
281.5602, 152.4827

 13.1673, 16.6379,
1.8425

299.2815,
336.3402, 190.5161

 7.6216, 9.9766,
0.4558

355.2559,

 3.9036, 5.3835,

397.8009, 234.3999

0.0000

417.8074,
466.3268, 284.5526

■ 1.6477, 2.4740,
0.0000

■ 0.4232, 0.8636,
0.0000

■ 81.0967, 94.4187,
35.4231

■ 81.0967, 94.4187,
35.4231

■ 79.5756, 93.8102,
27.4138

■ 83.0433, 95.1973,
45.6745

■ 78.4479, 93.3591,
21.4756

■ 85.4438, 96.1575,
58.3147

■ 77.6775, 93.0510,
17.4189

■ 88.3241, 97.3096,
73.4822

■ 77.2215, 92.8686,
15.0180

■ 91.7084, 98.6634,
91.3038

■ 77.0188, 92.7875, 95.0500, 100.0000,
13.9511 108.9000

■ 76.9996, 92.7798,
13.8500

Harmonies

Analogous

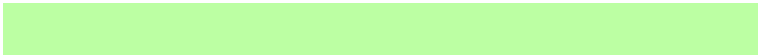
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.3592, 94.4187, 35.2033



81.0967, 94.4187, 35.4231



67.9527, 94.4187, 49.2790

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0967, 94.4187, 35.4231



68.3084, 94.4187, 187.3023



126.1341, 94.4187, 128.6387

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



81.0967, 94.4187, 35.4231



35.5274, 28.2791, 98.1937

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.7529, 94.4187, 185.4822



81.0967, 94.4187, 35.4231



81.6437, 94.4187, 226.0686

Square

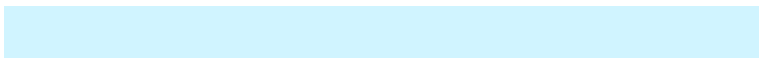
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0967, 94.4187, 35.4231



61.2453, 94.4187, 130.5902



98.9812, 94.4187, 225.3117



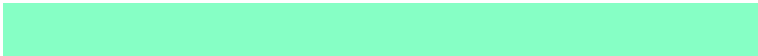
125.9379, 94.4187, 79.2716

Rectangle

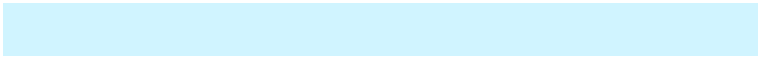
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0967, 94.4187, 35.4231



62.6401, 94.4187, 68.0329



98.9812, 94.4187, 225.3117



123.7127, 94.4187, 147.7750

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



81.0968, 94.4187, 35.4243



89.4918, 97.7767, 79.6314



53.4537, 39.1323, 26.2099



19.0079, 20.8694, 16.2700



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0968, 94.4187, 35.4243



79.6589, 93.8435, 27.8527



61.8497, 84.4965, 34.5236



19.5613, 21.0908, 19.1843



40.2340, 48.4795, 7.2369



3.9174, 4.7203, 0.7046

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.5274, 28.2791, 98.1937



29.3936, 20.8883, 97.0904



48.1595, 34.7912, 98.7848



17.0031, 17.3778, 22.7080



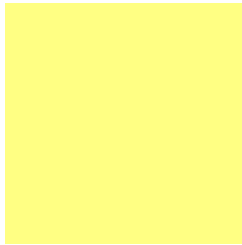
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 81.0967, 94.4187, 35.4231 looks on a white background.

Color Contrast Check

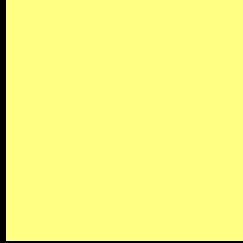
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 81.0967, 94.4187, 35.4231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

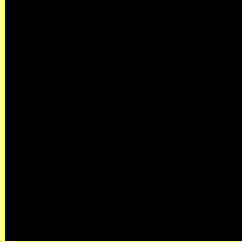
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.0967, 94.4187, 35.4231

Background



This preview shows how black text looks on a background with the XYZ color 81.0967, 94.4187, 35.4231.



This preview shows how white text looks on a background with the XYZ color 81.0967, 94.4187,

35.4231.

Color Blindness Simulation

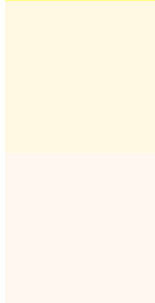
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

81.0967, 94.4187, 35.4231



Protanopia

88.9808, 94.5574, 86.2347

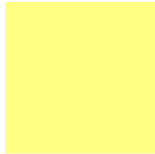
Deuteranopia

90.2289, 94.0728, 95.8404

Tritanopia

91.7665, 94.1998, 105.4412

Trichromacy



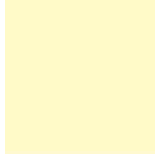
Original Color

81.0967, 94.4187, 35.4231



Protanomaly

85.2516, 94.0601, 63.5314



Deuteranomaly

85.8509, 93.8013, 68.2242



Tritanomaly

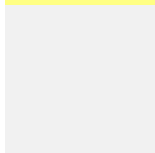
86.5008, 93.5654, 73.1754

Monochromacy



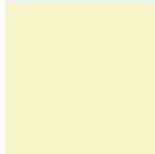
Original Color

81.0967, 94.4187, 35.4231



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.5044, 89.7214, 68.2806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.0967, 94.4187, 35.4231 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 255, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 131)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 255, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 131) }
```

Border

The CSS property to change the border of an element to XYZ 81.0967, 94.4187, 35.4231 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 255, 131) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 255, 131) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 255, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 81.0967, 94.4187, 35.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 131) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
255, 131) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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